MR. CHRISTIAN KELLER

DEPUTY PROJECT MANAGER, SIGNALS WARFARE

Mr. Christian Keller has been the Deputy PM for Signals Warfare since January 2000. He has been working as a DoD Civilian within PEO-IEW&S since 1990 and prior to that time he worked within the CECOM RDEC. As DPM SW, he is responsible for supporting the Project and Product Managers for programs such as Aerial Common Sensor (ACS), Guardrail Common Sensor (GRCS), Airborne Reconnaissance Low (ARL), Prophet, Division TUAV SIGINT Payload (DTSP) and other related efforts. Prior to his assignment as DPM SW, Mr. Keller was a member of the PEO-IEW&S staff. As part of the PEO staff Mr. Keller served as the SSEB Chair for numerous source selections including the TUAV program and Joint Tactical Terminal (JTT). He also served as the Acting Technical Director for PM NV/RSTA. Prior to his assignment in the PEO staff, Mr. Keller was the Deputy Product Manager for the STINGRAY program and also the Acting PM for STINGRAY. He holds a Bachelors Degree in Mechanical Engineering from New Jersey Institute of Technology (NJIT) and a Masters Degree in Electrical Engineering from Farleigh Dickinson University. He is also a graduate of the PM Course at the Defense Systems Management College (DSMC).

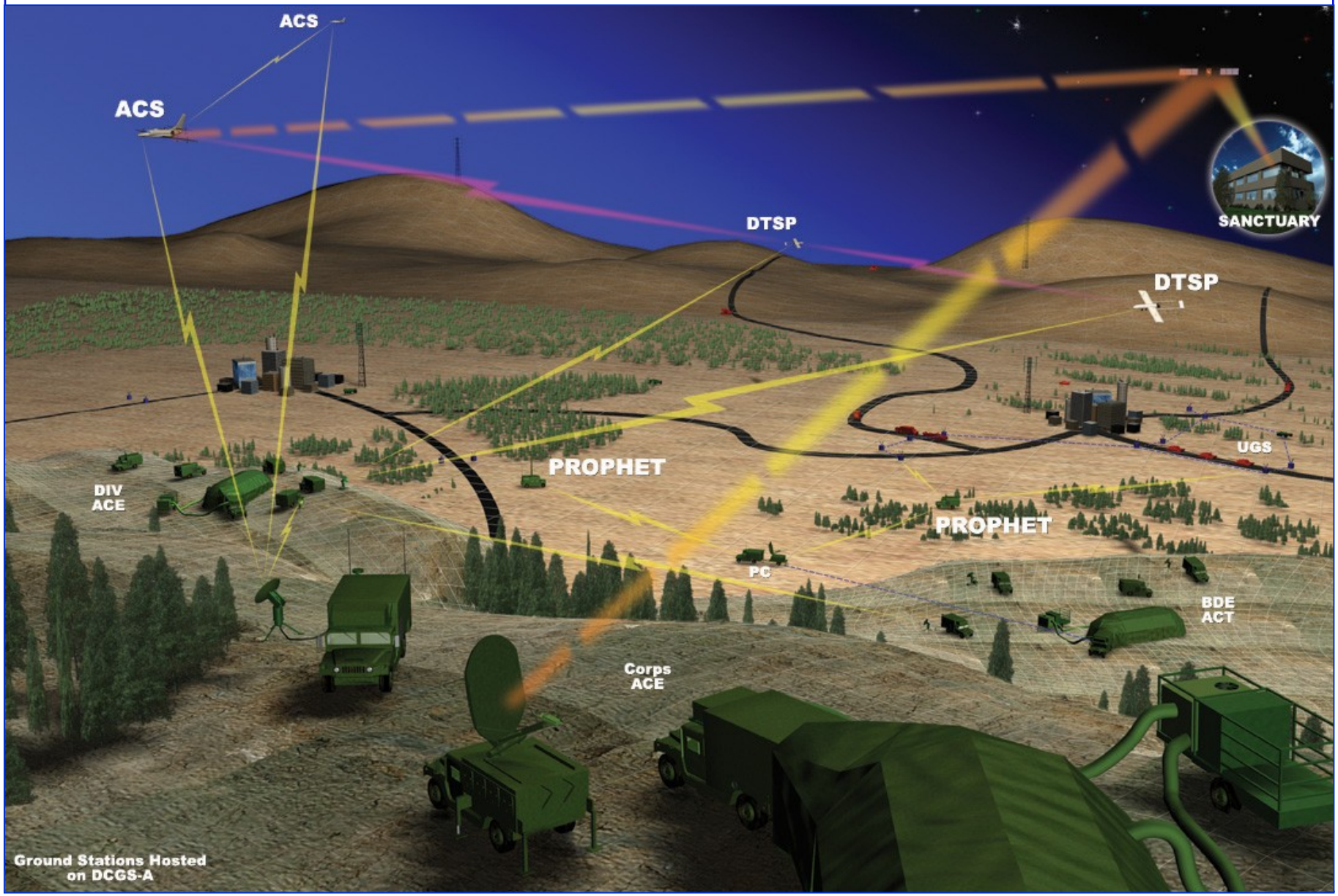
PM Signals Warfare Contract Opportunities

Christian Keller
Deputy Project Manager Signals Warfare
732-427-1800
christian.keller@iews.monmouth.army.mil

IEW&S
PROGRAM EXECUTIVE OFFICE

Project Manager Signals Warfare

PM SW



IEW&S
PROGRAM EXECUTIVE OFFICE

Aerial Common Sensor
Product Line

PM SW

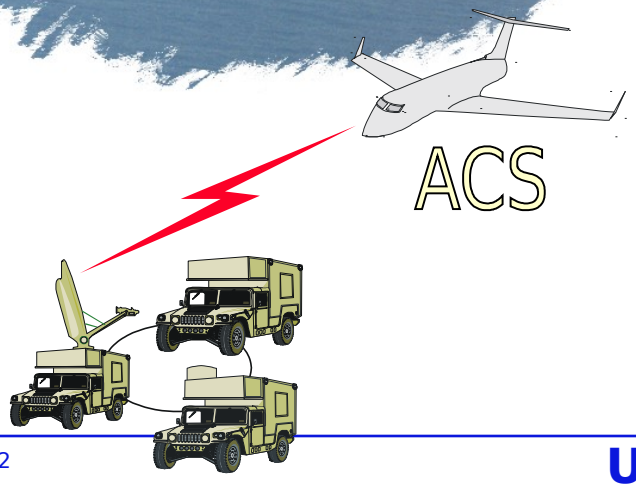
GUARDRAIL/Common Sensor (GR/CS)

Supports the Corps and EAC Command With:

- ***Tactical Intelligence/Signals Exploitation***
- ***COMINT and ELINT Direction Finding and Precision Location***
- ***Near Real Time Reporting***
- ***Interoperable With AFS and National Sensors***
- ***Connectivity to National Databases***

Airborne Reconnaissance Low (ARL)

- ***Full ISR Wartime Capability***
- ***Support OOTW, Counter Narcotic, and Emergency/Natural Disaster Operations***
- ***FLIR, IRLS, DIS, MTI/SAR and COMINT Sensor Suites***
- ***On-Board Operators and NRT Dissemination via LOS and SATCOM***



Aerial Common Sensor (ACS) - *"The Future"*

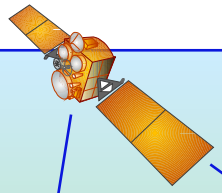
- ***Enhanced Precision Location***
- ***Rapidly Deployable***
- ***Increased on Station Time***
- ***Extended Range***
- ***Interoperable With Joint and National Systems***
- ***Multi-INT - SIGINT, IMINT, MASINT (With Cross Cueing)***
- ***Broadcast Dissemination***
- ***DCGS-A Ground Station***

Aerial Common Sensor

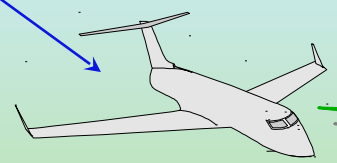
Operational Concept - Corps/Division Support

IEW&S
PROGRAM EXECUTIVE OFFICE

PM SW



Detect -Identify- Locate-Track - Report - Exploit

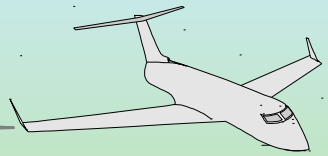


World-Wide Self-Deployable

SIGINT

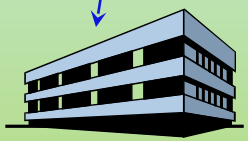
SAR/MTI

IMINT MASINT

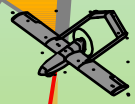


ACS Mission

- Enhanced Precision Geolocation
- Responsiveness
- Rapidly Deployable
- Sensor Cross-Cue
- Real Time Reporting
- Reachback Capability



Sanctuary



IDM Direct To Comanche

35-45K ft

IBS Reporting Direct To FCS

MTI

IMINT

FCS

SIGINT DF LOB

Multi-Mode Capable

- Single or multiple aircraft
- Direct or extended tether
- Direct aircraft to satellite relay for Split-Base
- DCGS/Joint Interoperable
- TUAV Interoperable

- Direct Support to Tactical User
- Broad Area Sensor Coverage
- Can Focus Sensors on HPT
- Correlated Multi-INT Picture of Fixed and Moving Targets
- Direct Dissemination
- Retaskable in Real-time by Users
- Extended Sensor Ranges
- Actionable Intel

Precision SIGINT/MTI/SAR

3/15/02

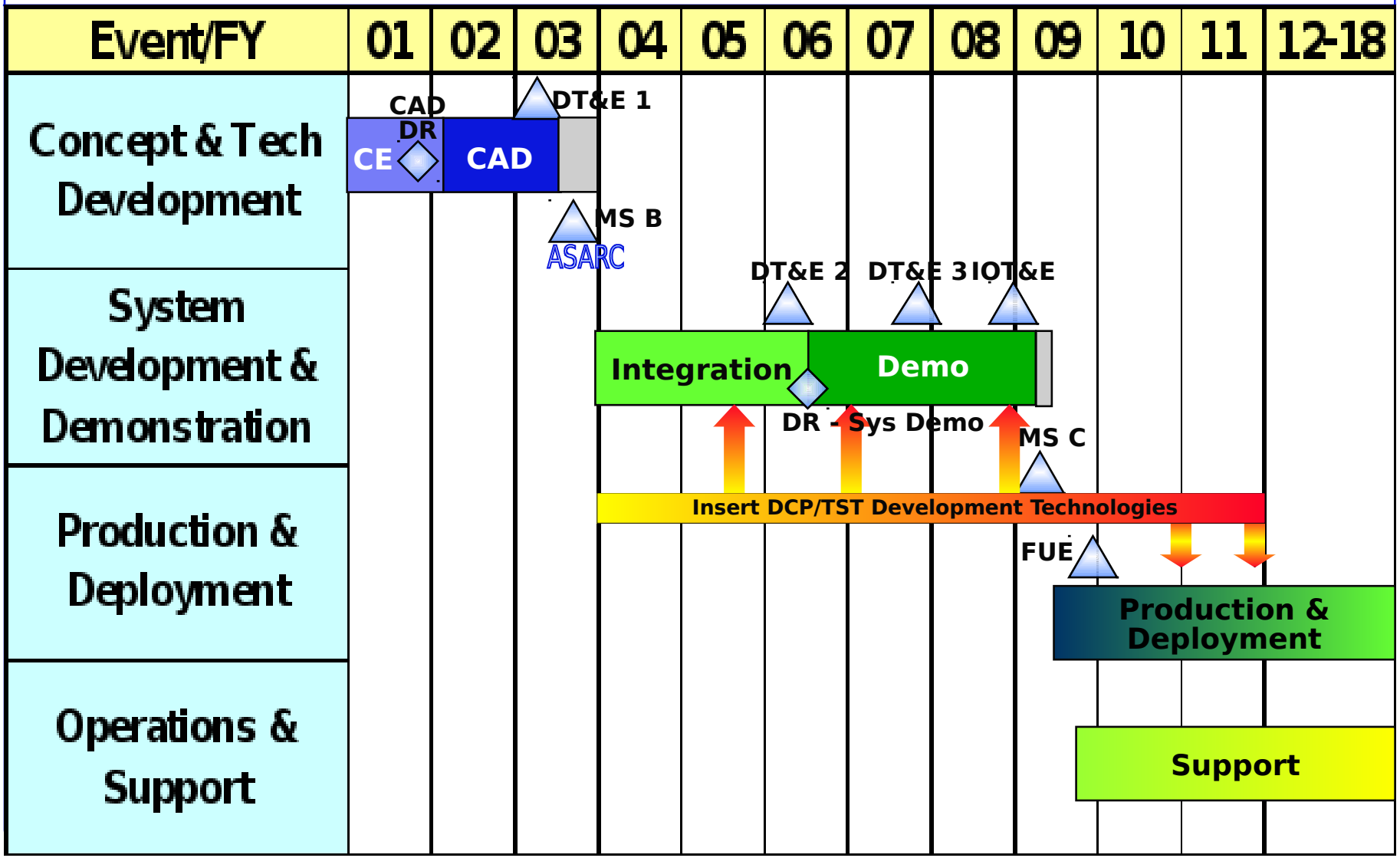
971GR.55.044

IEW&S
PROGRAM EXECUTIVE OFFICE

Aerial Common Sensor

Program Schedule

PM SW



IEW&S
PROGRAM EXECUTIVE OFFICE

Aerial Common Sensor

ACS Contract Opportunities

PM SW

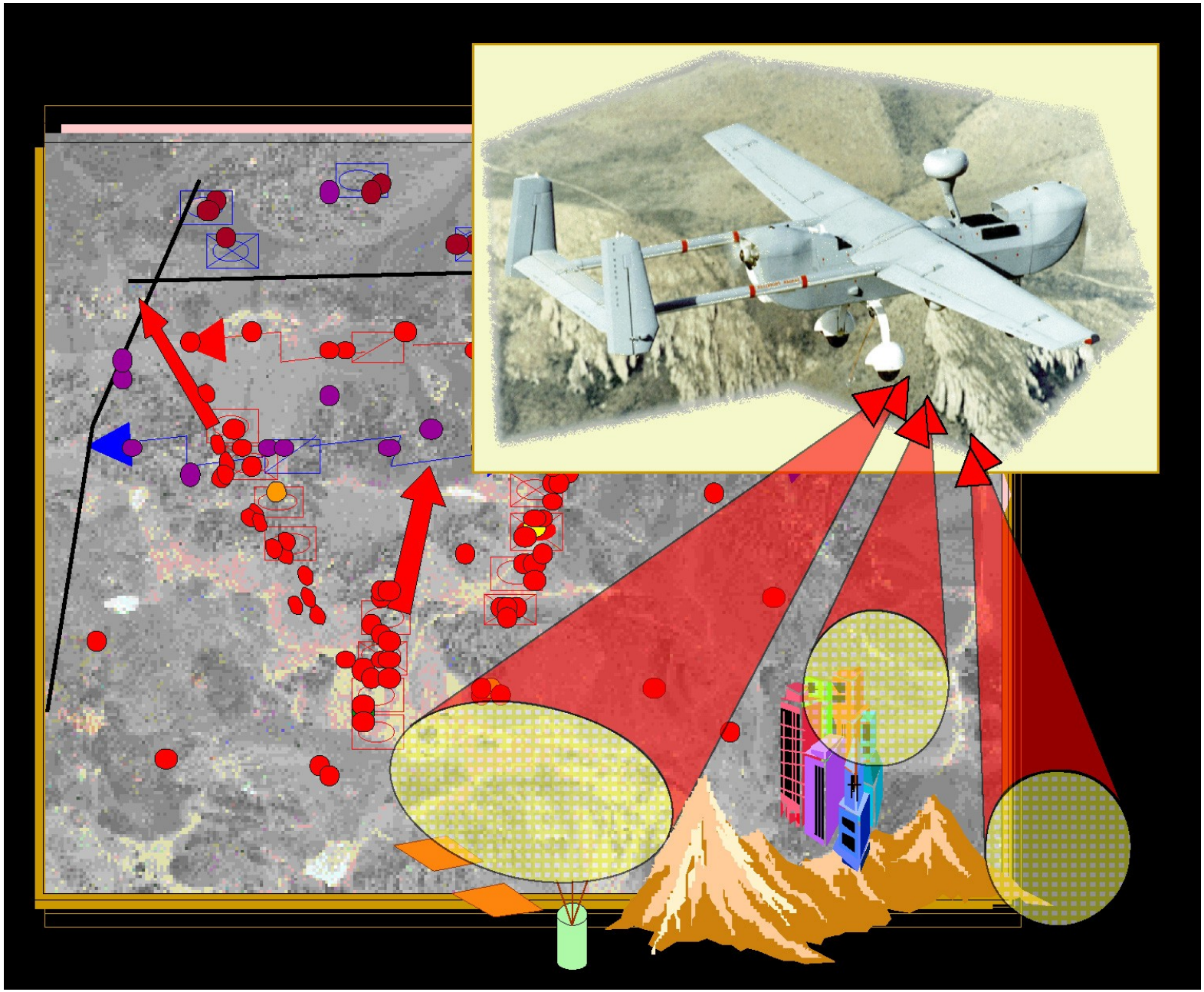
- **Objective:** Develop, Produce, and Field the Army's Objective ISR System
- **Contract Type:** CAD-CPAF, SDD-CPXF, PROD-FP
- **Estimated Value:** CAD $35M, SDD TBD, PROD TBD
- **Solicitation Number:** DAAB07-00-LBAA
- **Technical Contact:** Charles Maraldo
  732-427-5453
- **Acquisition Contact:** David Concilio
  732-532-5250
- **Key Milestones:** 4Q FY03 - SDD Award

Multi-Spectrum Supremacy for the 21st Century

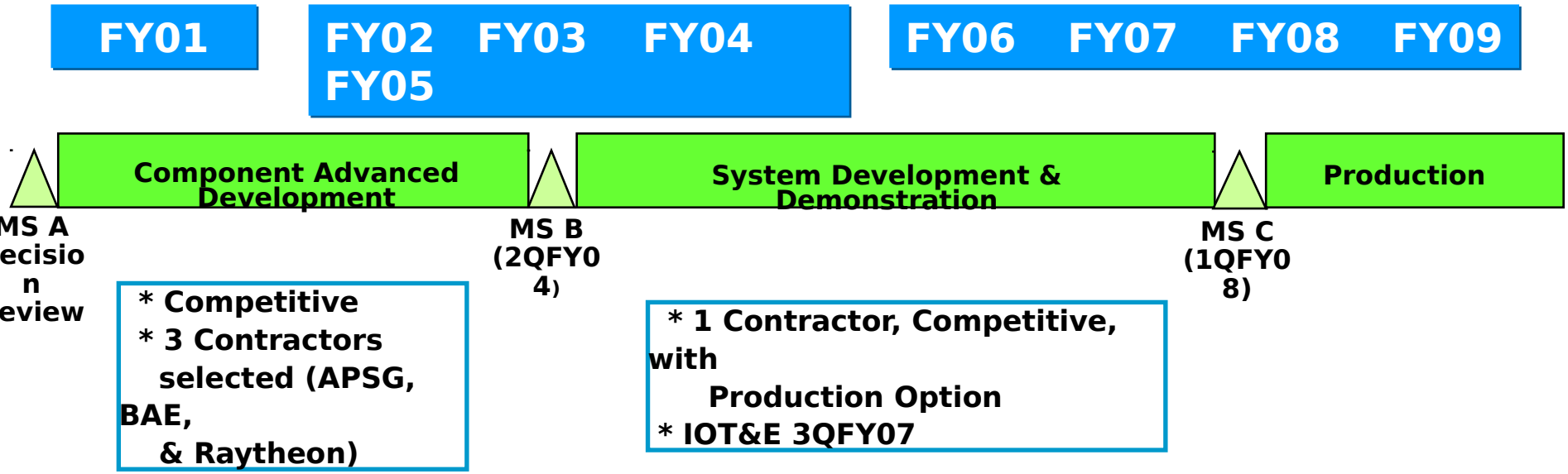
M PROPHET

Prophet and DTSP will Comprise the Division's Principal Multi-Sensor Systems. They Give Division Commanders a Comprehensive Near-Real-Time Picture of the Battlespace and Provides the Ability to Detect, Identify, Locate,and Track enemy elements.

Division Tactical UAV SIGINT Payload (DTSP) System Para



Multi-Spectrum Supremacy for the 21st Century
Division Tactical UAV SIGINT Payload (DTSP) Acquisition Strategy & Schedule



Division Tactical UAV SIGINT Payload (DTSP) Contract Opp

- **Objective:** Develop, Produce, and Field UAV SIGINT Payload for the U.S. Army
- **Contract Type:** CAD-CPFF, SDD-CPXF, Production-FP
- **Estimated Value:** CAD: $3.5M With $2M Option (Flight Test)
  SDD: $30M
  Production: $175M
- **Solicitation Numbers:** DAAB07-01-CL-538, 540, 541
- **Technical Contact:** Mr. Mark O'Neill
  732-532-0361
- **Acquisition Contact:** Mr. Andrew Dellomo
  732-532-3569
- **Key Milestones:** 2Q FY04 - SDD Award

Prophet: Five Block Acquisition Strategy

Block I

Radio Direction Finding

- MS III / Mar 01
- Production Contract / Jun 01
- Fielding completed / 1QFY05

Block II

Block III

Radio Direction Finding Upgrade & Signal Jamming

- MS B / 4QFY02
- Full & Open Competition
- DT & IOT&E / 4QFY04
- MS C / 1QFY05
- Modern Signals
- Netting
- NLOS Comms

Block IV

Micro-sensors and Robotics (OBJECTIVE)

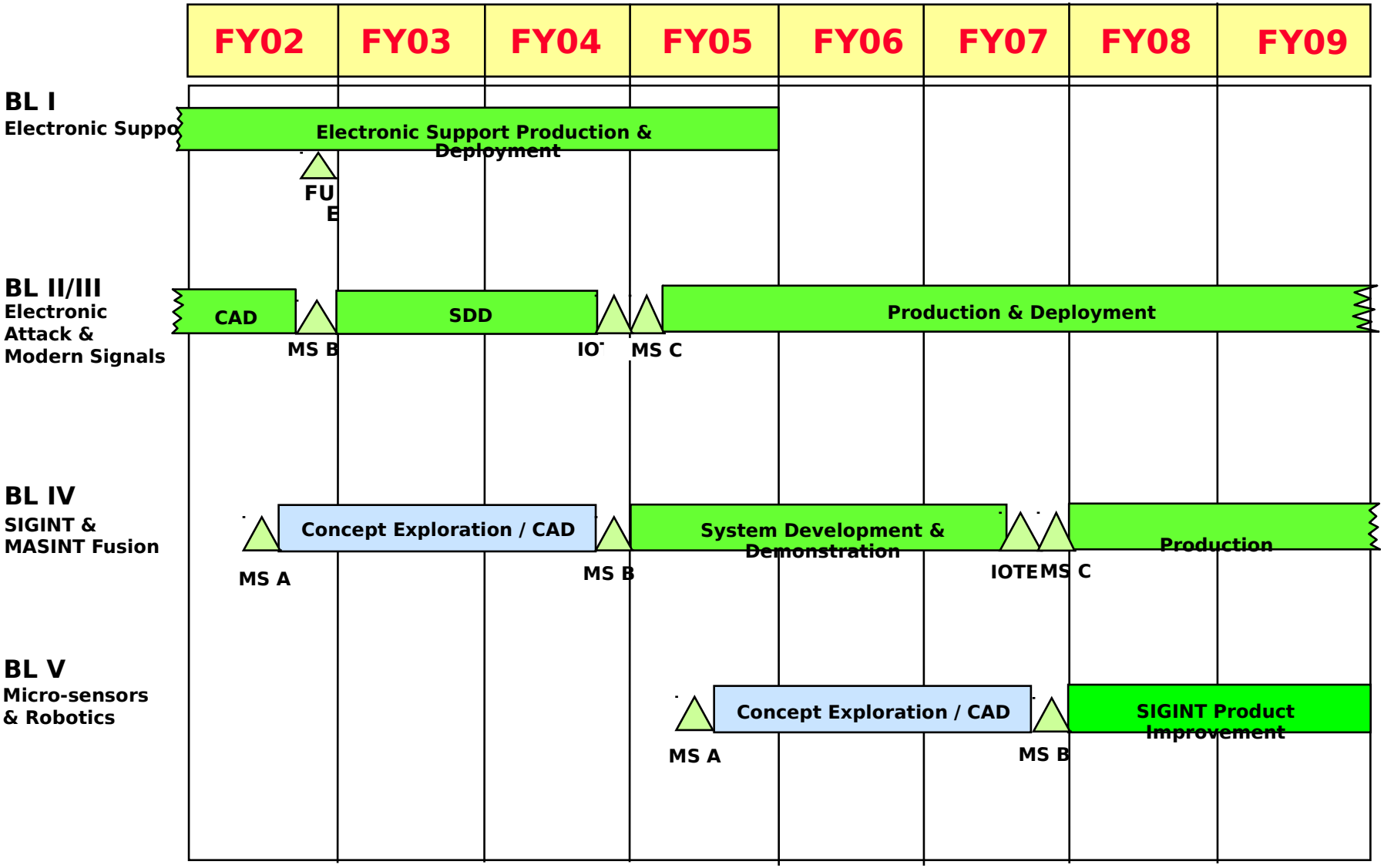
- TBD with JEFO Update due JUL 02

Multi-functional Sensor Platform

- MS A / 3QFY02
- MB B / 4QFY04
- MASINT, Ground Surveillance
- Attended & Unattended
- Fully Integrated
- Improved EA & SIGINT

Block V

Prophet Scheduling



ophet Block II/III Contract Opportunities

- **Objective:** Develop, Produce, and Field the Army's Objective Ground Based Tactical SIGINT System
- **Contract Type:** SDD-CPIF/PROD-FP
- **Estimated Value:** SDD: $20M
  Production: $165M
- **Solicitation Number:** DAAB07-02-RL-456
- **Technical Contact:** Mr. Dan Tartaglia
  732-427-1959
- **Acquisition Contact:** Mr. Andrew Dellomo
  732-532-3569
- **Key Milestones:** 1Q FY03 - SDD Award

ophet Block IV Contract Opportunities

IEW&S PROGRAM EXECUTIVE OFFICE

PM SW

- **Objective:** Develop, Produce, and Field a SIGINT/ MASINT System for the U.S. Army
- **Contract Type:** DEV-CPXF/PROD-FP
- **Estimated Value:** $24M/$41M
- **Solicitation Number:** TBD
- **Technical Contact:** Mr. Jim Maziarz 732-427-1981
- **Acquisition Contact:** Mr. Andrew Dellomo 732-532-3569
- **Key Milestones:** 1Q FY05 - SDD Award

ALWAYS OUT FRONT

PM Signals Warfare Contract Opportunities

Christian Keller
Deputy Project Manager Signals Warfare
732-427-1800
christian.keller@iews.monmouth.army.mil